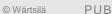


## Accelerating a way of working culture change using Polarion

**Matias Beijar Engineering planner, Medium Bore Platform** 







## GLOBAL LEADER

in sustainable solutions for the marine and energy markets

2018

Turnover

**5 174 MEUR** 

Operations in

200 LOCATIONS

Operating result

**543 MEUR** 

Our personnel

**APPROX. 19 000** 

Order intake

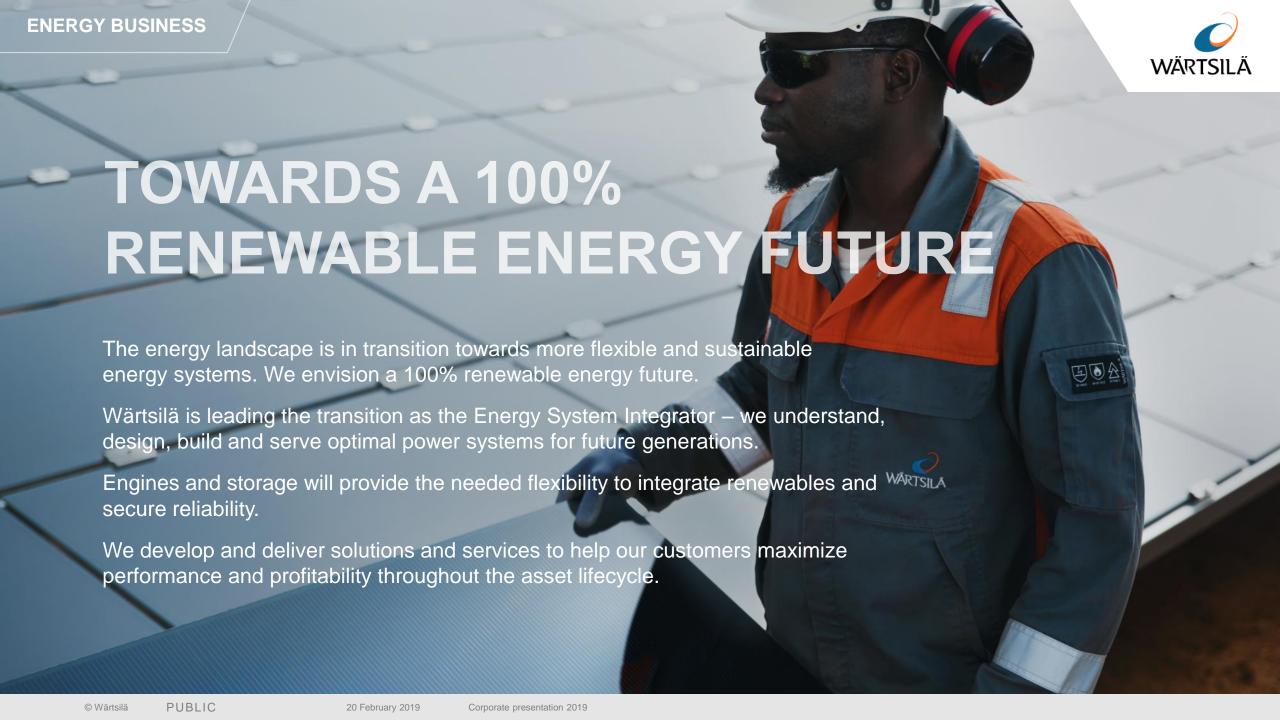
6 307 MEUR

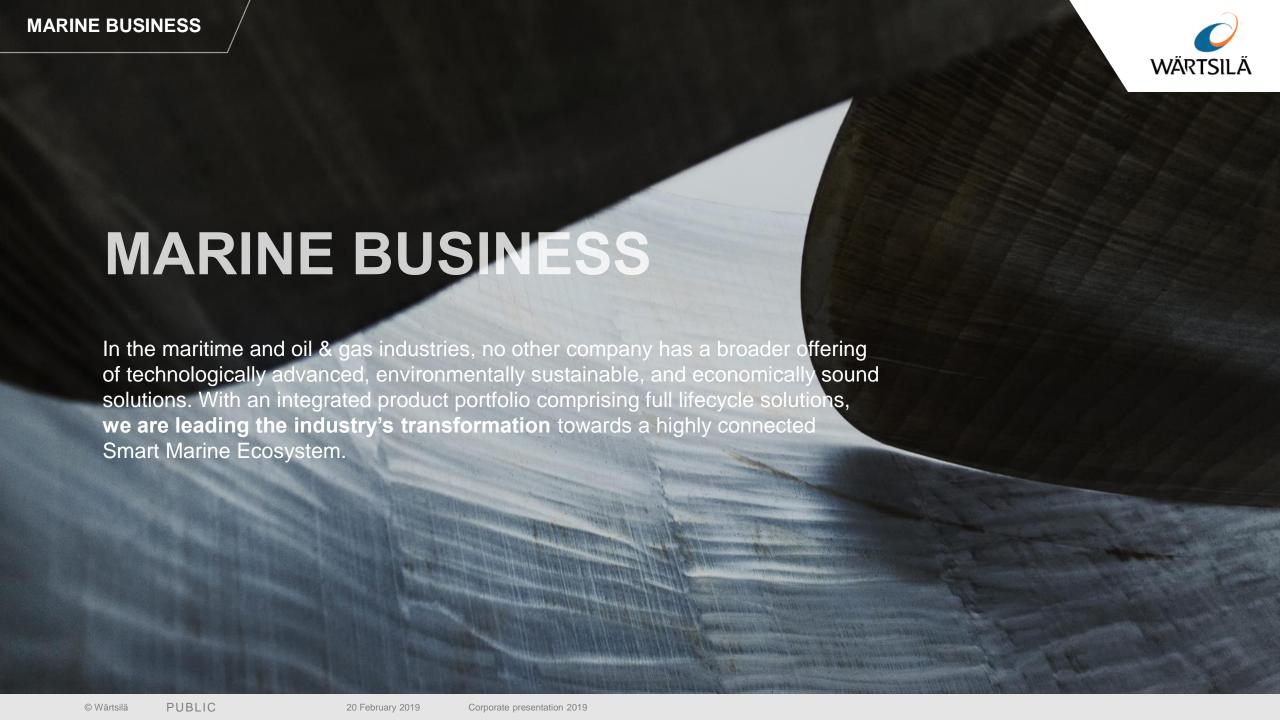
**Nationalities** 

138

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# TOWARDS A SMART MARINE ECOSYSTEM

We are leading the industry's transformation towards a Smart Marine Ecosystem, whereby **real-time communication** and the **digitalisation** of all aspects of shipping and port operations, including the entire logistics chain, are utilised to **create long-term value** for our customers and partners.

By applying smart technology and performance optimisation services, we deliver higher safety, greater efficiencies and minimised climate impact. This will result in more sustainable, safe, and profitable operations for ship owners and operators around the world.

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## SMART JECHNOLOGY OFFERING COVERS ALL MARKET SEGMENTS

MERCHANT VESSELS

GAS CARRIERS

**CRUISE & FERRY** 

**NAVY** 

SPECIAL VESSELS

**OIL & GAS INDUSTRY** 

THE WORLD'S WIDEST PRODUCT AND SOLUTIONS PORTFOLIO AND THE MOST EXTENSIVE SERVICE NETWORK

- Power supply
- Power conversion
- Propulsion
- Exhaust treatment

- Parts solutions
- Maintenance and repair services
- · Lifecycle solutions

- Automation, navigation & communication
- Simulation & training solutions
- Fleet operations solutions
- Ship traffic control solutions
- Special products
- Entertainment systems

- Water & waste
- Gas solutions for marine and land-based applications

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#### Marine Power Solutions Research & Development and Engineering

- Develops and manages the Engines and Propulsion product portfolio
  - Mechanical design
  - Simulations
  - Performance
  - Automation
  - Testing
  - Engine expertise







#### Situation when we started

Clarity

- Tasks in multiple tools across RDE
- Impossible to get an overall view of tasks and their statuses
- Difficult to prioritise
- Change management is impossible

Spear Teamcenter

Polarion

Mantis SAP

Excel

E-mails

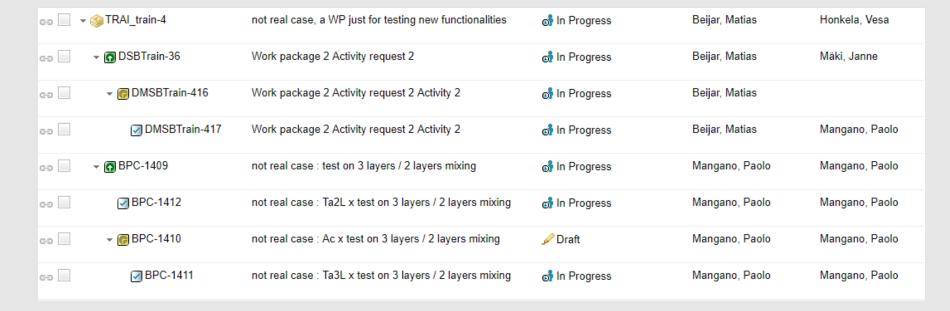
Salesforce Post-its

Minutes of meeting



#### Polarion work item setup

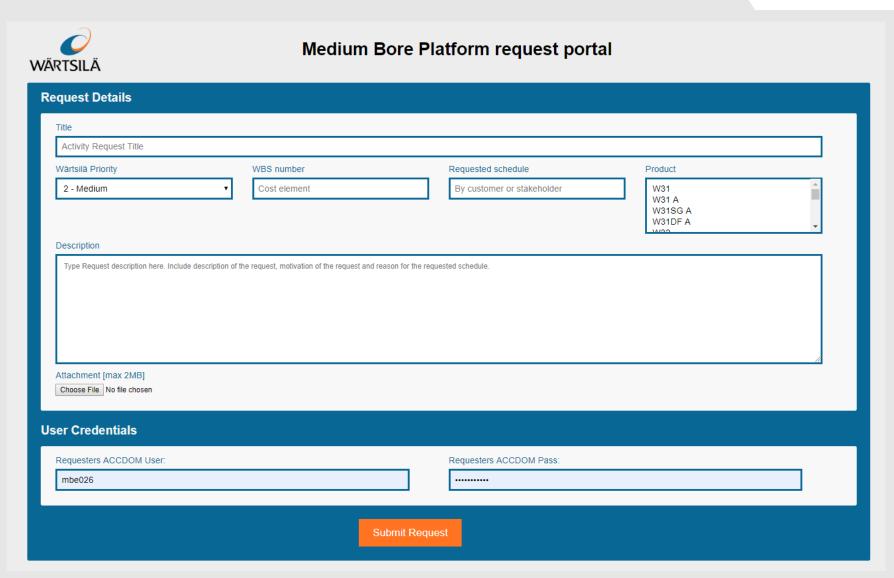
- 4 different work item types
  - Work package
  - Activity request
  - Activity
  - Task
- Order intake
- Prioritisation
- Work breakdown
- Planning
- Follow up





#### Request portals

- PHP pages for submitting Activity requests to Polarion
- No Polarion login required

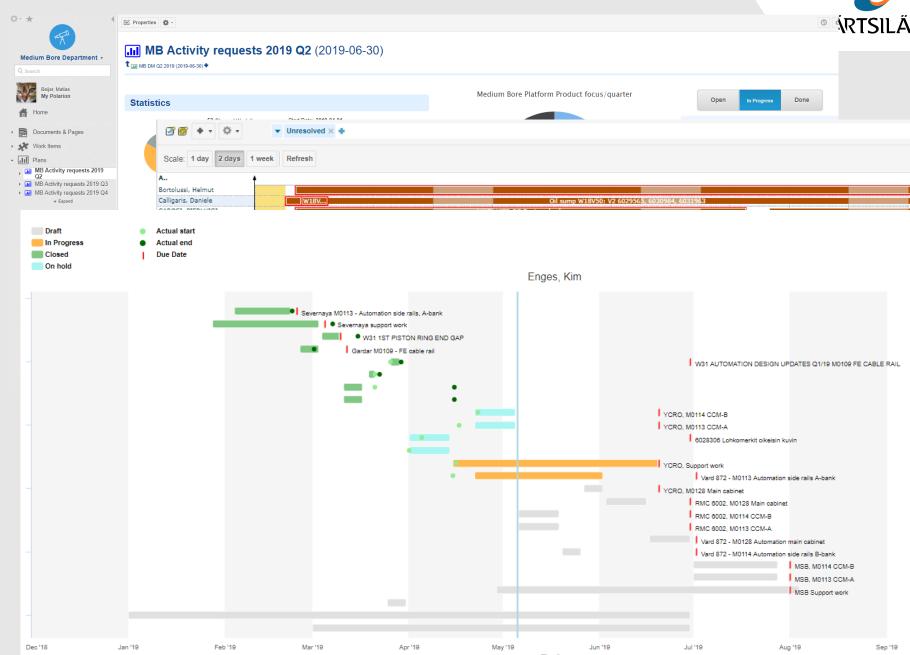


12



#### **Planning**

- Depending on team/organisation
  - Long term plans using **Polarion Plans**
  - Team planning using Polarion Live plan
  - Gantt charts

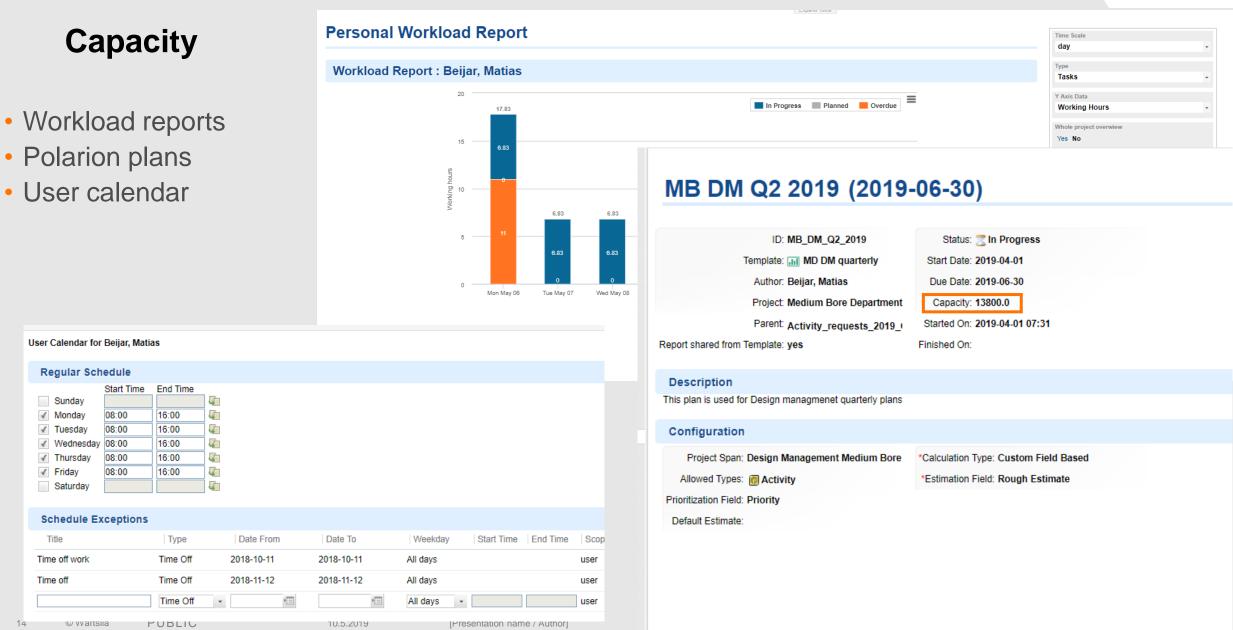


13

10.



- Workload reports
- Polarion plans

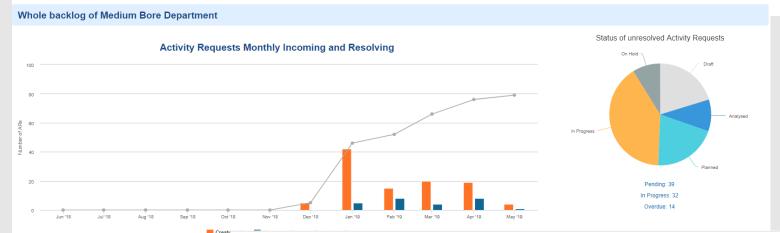




#### Follow up progress

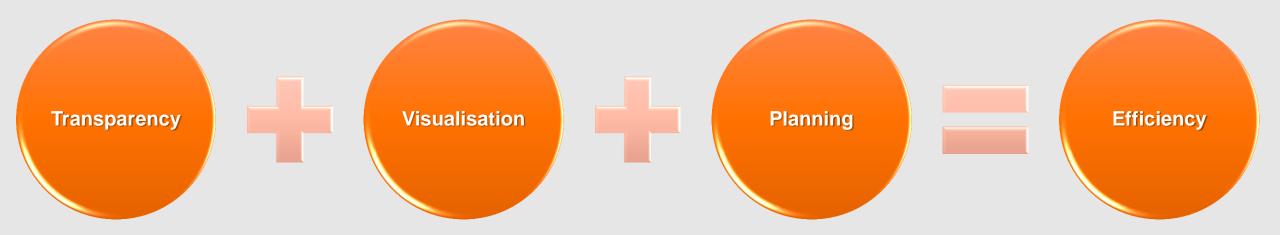
- Backlogs
- Kanban boards
- Burndown charts

Ideal Work To Do Work To Do Relative Progress



**W32/34 PIP and issues** (2019-12-31) Plan Status - In Progress 3d 2h To Do Kanban Board 👭 Prioritize Undone Items 🔹 Add Work Items to the Plan 📑 Browse All Planned Items 5 Draft 5 In Progress 4 Closed 4 On Hold PIP-2150 R3 New lube oil pumps for WL32/34 en Issue-00855 Failing gaskets in starting air system W32E3 6031232, 6031935 VIC VALVE WL32/34 PIP-2150 R3 New lube oil suction pipe assembly or WV32/34 engines ■ OMMB-462 & **☑** DMMB 251 Issue-00901, new design for case "Exhaust bello w failures (Bellow before TC SPN 200081)" OVERSIZE CENTER SLEEVE AND REPAIR DR CRACKED SUCTION PIPE ON W20V32 WET OI PIP-2195 Cracking cylinder valve covers AWING FOR CYL. HEAD W34DF L SUMP ISSUE-00753 ■ OMMB-415 ISSUE-00800 CAC DELTA PRESSURE MEASU PIP-2338 R3 Aluminium profile test parts for W20 PIP-2144 CRACKING SINGLE WALL MAIN GAS PIP 2039 R3 W32 SIDE COVER SEALS, HOTBO & **☑** DMMB 44 PIP 2039 R3 W32 SIDE COVER SEALS, HOTBO Update of fastening holes in air block for W32/W3 Knock sensor with flying lead replacement for W3 PIP-2324 R3 Additional bracket for Spiro vent X LEAKAGE MODULE UPDATES FOR WL32/34 ■ OMMB-441 ♣ ☑ DMMB 724 PIP-2142 R4 V-ring problem Issue-00855 Failing gaskets in starting air system W32E3 - Field update kit for delivered WV32E3/E → DMMB-489 12:00





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16



### The most important part of way of working changes

